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## **A WASTE TO ENERGY PLANT IN CRETEIL (FRANCE): SMITDUVM SELECTS SUEZ, IN PARTNERSHIP WITH TIRU, FOR 20-YEAR CONSTRUCTION AND OPERATION CONTRACT**

**The Syndicat Mixte Intercommunal of Val-de-Marne Urban Waste Treatment (SMITDUVM) has awarded SUEZ, in partnership with TIRU, and through their dedicated company Valo'Marne<sup>1</sup>, a contract to build and operate Créteil's waste to energy plant. The 20-year contract is worth about 900 million euros.**

The new contract includes numerous innovations to help improve the energy mix, boost the plant's environmental performance, and develop the region's circular and inclusive economy. Within the next three years, the waste to energy plant will also be equipped with the industry's latest smart technologies.

### **An innovative facility producing several types of energy**

The project includes an increase in the plant's energy from waste production capacity, on one hand to extend Créteil's heating network starting in 2020, and on the other hand to supply SMITDUVM's municipalities with green electricity for the same price as normal electricity.

Working in partnership with TIRU, SUEZ will also provide concrete solutions to meet citizens' expectations in terms of reducing environmental footprint and improving air quality by:

- using a transfer station at Champigny-sur-Marne to improve collection vehicle flow and reduce the associated carbon footprint;
- producing hydrogen from waste to recharge clean cars - a first in Europe;
- reducing NOx emissions to less than 50 mg/Nm<sup>3</sup>;
- installing a pilot carbon sink to capture CO<sub>2</sub> using microalgae.

### **Valo'Marne, an energy hub based on the circular and inclusive economy**

SUEZ pledges to boost local employment and social inclusion by working alongside local stakeholders, particularly thanks to Maison pour Rebondir Grand Paris / Val-de-Marne, the social innovation and employment laboratory founded by SUEZ.

A project to build a 4,500 m<sup>2</sup> urban agriculture greenhouse to grow tomatoes using heat produced from the waste to energy plant, then sell them through local distribution channels, will create six new jobs.

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<sup>1</sup> Valo'Marne is a company owned by SUEZ (75%) and TIRU (25%)

An innovative and informative exhibition focusing on the circular economy will also be set up at the facility, paving the way towards a sustainable development education in urban environments, within the Greater Paris region.

### Partners committed to a sustainable region

To Pierre De Montlivault, CEO of TIRU “the site of the SMITDUVM is a perfect illustration of the future of household waste recovery sector. Valo'Marne implements everything that has been imagined more virtuous. ”

According to Philippe Maillard, CEO of Recycling & Recovery France, this project is a shining example for the Paris region. “*SUEZ has mobilised all its energy, creativity and expertise to provide SMITDUVM with innovative, efficient and farsighted solutions. I am certain that, together, we can make this plant a reference within the Ile-de-France region, in terms of its contribution to the circular economy.*”

#### About SUEZ

*With 90 000 people on the five continents, SUEZ is a world leader in smart and sustainable resource management. We provide water and waste management solutions that enable cities and industries optimize their resource management and strengthen their environmental and economic performances, in line with regulatory standards. To meet increasing demands to overcome resource quality and scarcity challenges, SUEZ is fully engaged in the resource revolution. With the full potential of digital technologies and innovative solutions, the Group recovers 17 million tons of waste a year, produces 3.9 million tons of secondary raw materials and 7 TWh of local renewable energy. It also secures water resources, delivering wastewater treatment services to 58 million people and reusing 882 million m3 of wastewater. SUEZ generated total revenues of 15.3 billion euros in 2016.*

#### About TIRU

*TIRU is a subsidiary of the EDF group specialized in the energy recovery of household waste in the form of electricity and steam for district heating or industrial purposes. TIRU represents 1,096 employees and a turnover of € 232 million in 2015. TIRU recovers 3 million tons of waste per year through its 36 plants. Its energy recovery units sold nearly 2.63 TWh of electricity and steam, 50% of which was renewable energy. Thanks to TIRU, 316,000 inhabitants were heated and 514,000 inhabitants were supplied with electricity in 2015. In 2015, TIRU saved 1.7 million barrels of oil, or 727,000 tons of CO2 emissions avoided.*

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